AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

- 1. (Withdrawn) A panel of biomarkers for colorectal cancer and colorectal polyps comprising at least two polynucleotides selected from SEQ ID NOs 1-5.
- 2. (Withdrawn) The panel of claim 1, where the panel is selected for analysis of polynucleotide expression levels for colorectal cancer and colorectal polyps.
- 3. (Withdrawn) The panel of claim 2, where the polynucleotide expression levels are mRNAs.
- 4. (Withdrawn) The panel of claim 2, where the polynucleotide expression levels are cDNAs.
- 5. (Withdrawn) The panel of claim 1, where at least one of the polynucleotides is a fragment.
- 6. (Withdrawn) The panel of claim 1, where at least one of the polynucleotides is a variant.
- 7. (Withdrawn) The panel of claim 1, where the panel is used for the management of patient care in colorectal cancer and colorectal polyps.
- 8. (Withdrawn) The panel of claim 7, where the management of patient care includes one or more of risk assessment, early diagnosis, establishing prognosis, monitoring patient treatment, and detecting relapse.
- 9. (Withdrawn) The panel of claim 1, where the panel is used in discovery of therapeutic intervention of colorectal cancer and colorectal polyps.

- 10. (Withdrawn) A panel of biomarkers for colorectal cancer and colorectal polyps comprising: at least two polynucleotides selected from SEQ ID NOs 1-5; and at least one polynucleotide selected from SEQ ID NOs 6-14.
- 11. (Withdrawn) The panel of claim 10, where the panel is selected for analysis of polynucleotide expression levels for colorectal cancer and colorectal polyps.
- 12. (Withdrawn) The panel of claim 11, where the polynucleotide expression levels are mRNAs.
- 13. (Withdrawn) The panel of claim 11, where the polynucleotide expression levels are cDNAs.
- 14. (Withdrawn) The panel of claim 10, where at least one of the polynucleotides is a fragment.
- 15. (Withdrawn) The panel of claim 10, where at least one of the polynucleotides is a variant.
- 16. (Withdrawn) The panel of claim 10, where the panel is used in the management of patient care for colorectal cancer and colorectal polyps.
- 17. (Withdrawn) The panel of claim 16, where the management of patient care includes one or more of risk assessment, early diagnosis, establishing prognosis, monitoring patient treatment, and detecting relapse.
- 18. (Withdrawn) The panel of claim 10, where the panel is used in discovery of therapeutic intervention of colorectal cancer and colorectal polyps.
- 19. (Withdrawn) A panel of biomarkers for colorectal cancer and colorectal polyps comprising: at least two polynucleotides selected from SEQ ID NOs 1-5; at

least one polynucleotide selected from SEQ ID NOs 6-14; and at least one polynucleotide selected from SEQ ID NOs 15-22.

- 20. (Withdrawn) The panel of claim 19, where the panel is selected for analysis of polynucleotide expression levels for colorectal cancer and colorectal polyps.
- 21. (Withdrawn) The panel of claim 20, where the polynucleotide expression levels are mRNAs.
- 22. (Withdrawn) The panel of claim 20, where the polynucleotide expression levels are cDNAs.
- 23. (Withdrawn) The panel of claim 19, where at least one of the polynucleotides is a fragment.
- 24. (Withdrawn) The panel of claim 19, where at least one of the polynucleotides is a variant.
- 25. (Withdrawn) The panel of claim 25, where the panel is the basis for management of patient care in colorectal cancer and colorectal polyps.
- 26. (Withdrawn) The panel of claim 19, where the management of patient care includes one or more of risk assessment, early diagnosis, establishing prognosis, monitoring patient treatment, and detecting relapse.
- 27. (Withdrawn) The panel of claim 25, where the panel is used in discovery of therapeutic intervention of colorectal cancer and colorectal polyps.
- 28. (Withdrawn) A panel of biomarkers for colorectal cancer and colorectal polyps comprising at least two polypeptides selected from SEQ ID NOs 23-27.

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- 29. (Withdrawn) The panel of claim 28, where the panel is selected for analysis of polypeptide expression levels for colorectal cancer and colorectal polyps.
- 30. (Withdrawn) The panel of claim 28, where at least one of the polypeptides is a fragment.
- 31. (Withdrawn) The panel of claim 28, where at least one of the polypeptides is a variant.
- 32. (Withdrawn) The panel of claim 28, where the panel is used in the management of patient care in colorectal cancer and colorectal polyps.
- 33. (Withdrawn) The panel of claim 32, where the management of patient care includes one or more of risk assessment, early diagnosis, establishing prognosis, monitoring patient treatment, and detecting relapse.
- 34. (Withdrawn) The panel of claim 28, where the panel is used in discovery of therapeutic intervention of colorectal cancer and colorectal polyps.
- 35. (Withdrawn) A panel of biomarkers for colorectal cancer and colorectal polyps comprising: at least two polypeptides selected from SEQ ID NOs 23-27; and at least one polypeptide selected from SEQ ID NOs 28-36.
- 36. (Withdrawn) The panel of claim 35, where the panel is selected for analysis of polypeptide expression levels for colorectal cancer and colorectal polyps.
- 37. (Withdrawn) The panel of claim 35, where at least one of the polypeptides is a fragment.
- 38. (Withdrawn) The panel of claim 35, where at least one of the polypeptides is a variant.

- 39. (Withdrawn) The panel of claim 35, where the panel is used in the management of patient care in colorectal cancer and colorectal polyps.
- 40. (Withdrawn) The panel of claim 39, where the management of patient care includes one or more of risk assessment, early diagnosis, establishing prognosis, monitoring patient treatment, and detecting relapse.
- 41. (Withdrawn) The panel of claim 35, where the panel is used in discovery of therapeutic intervention of colorectal cancer and colorectal polyps.
- 42. (Withdrawn) A panel of biomarkers for colorectal cancer and colorectal polyps comprising: at least two polypeptides selected from SEQ ID NOs 23-27; at least one polypeptide selected from SEQ ID NOs 28-36; and at least one polypeptide selected from SEQ ID NOs 37-44.
- 43. (Withdrawn) The panel of claim 42, where the panel is selected for analysis of polypeptide expression levels for colorectal cancer and colorectal polyps.
- 44. (Withdrawn) The panel of claim 42, where at least one of the polypeptides is a fragment.
- 45. (Withdrawn) The panel of claim 42, where at least one of the polypeptides is a variant.
- 46. (Withdrawn) The panel of claim 42, where the panel is used in the management of patient care in colorectal cancer and colorectal polyps.
- 47. (Withdrawn) The panel of claim 46, where the management of patient care includes one or more of risk assessment, early diagnosis, establishing prognosis, monitoring patient treatment, and detecting relapse.

- 48. (Withdrawn) The panel of claim 42, where the panel is used in discovery of therapeutic intervention of colorectal cancer and colorectal polyps.
- 49. (Currently Amended) A method for measuring expression levels of polynucleotides from biomarkers for colorectal cancer and colorectal polyps, comprising:

selecting a panel of biomarkers comprising at least two polynucleotides from SEQ ID NOs:1, 2 and 5;

obtaining a biological sample from a subject;

isolating cellular RNA from the sample;

amplifying copies of cDNA from the sample for each biomarker in the panel; and

quantifying levels of cDNA amplified from the sample.

- 50. (Withdrawn) The method of claim 49, where the step of selecting a panel of biomarkers further comprises at least one polynucleotide from SEQ ID NOs 6-14.
- 51. (Currently Amended) The method of claim 49, where the step of selecting a panel of biomarkers further comprises: at least one polynucleotide from SEQ ID NOs 6-14; and at least one polynucleotide from SEQ ID NOs 15-22 Nos: 15 and 16.
- 52. (Currently Amended) The method of claim 49 <u>51</u>, where the step of amplifying copies of cDNA further comprises at least two sets of primers chosen from SEQ. ID NOs 45 88 (i) <u>SEQ ID NO:45 and 46</u>, (ii) <u>SEQ ID NO:47 and 48</u>, (iii) <u>SEQ ID NO:53 and 54</u>, (iv) <u>SEQ ID NO:73 and 74 and (v) SEQ ID NO:75 and 76</u>.
- 53. (Original) The method of claim 52, where the step of amplifying copies of cDNA further comprises using enzymes and reagents for the preparation of cDNAs.
- 54. (Original) The method of claim 49, where the step of quantifying the levels of cDNA further comprises labeling cDNA.

- 55. (Original) The method of claim 54, where labeling cDNA includes at least one chromophore.
- 56. (Currently Amended) The method of claim 49, where the cDNA levels for the sample are compared to [[a]] cDNA level from an independently validated normal control.
- 57. (Currently Amended) The method of claim 56, where <u>in an increase in at least one cDNA in the sample compared to cDNA levels from the independently validated normal control identifies the subject as a candidate for the comparison is used in the management of patient care in colorectal cancer and colorectal polyps.</u>
- 58. (Original) The method of claim 57, where the management of patient care includes one or more of risk assessment, early diagnosis, establishing prognosis, monitoring patient treatment, and detecting relapse.
- 59. (Original) The method of claim 56, where the comparison is used in discovery of therapeutic intervention of colorectal cancer and colorectal polyps.
- 60. (Original) The method of claim 49, where the step of obtaining a biological sample is by obtaining a sample of colorectal cells.
- 61. (Currently Amended) The method of claim 60, where the step of obtaining a sample of colorectal cells is minimally <u>invasive or non-invasive</u>.
- 62. (Original) The method of claim 61, where the minimally invasive step is by use of a swab.
- 63. (Original) The method of claim 60, where the step of obtaining a sample of colorectal cells is non-invasive.

- 64. (Currently Amended) The method of claim 63<u>61</u>, where the non-invasive step is by collection of a stool sample.
- 65. (Withdrawn) A method for measuring expression levels of polypeptides from biomarkers for colorectal cancer and colorectal cancer, comprising: selecting a panel of biomarkers comprising at least two polypeptides from SEQ ID NOs 23-27; obtaining a biological sample; creating an antibody panel for each biomarker in the panel; using the antibody panel to bind the polypeptides from the sample; and quantifying levels of polypeptides bound from the sample to the antibody panel.
- 66. (Withdrawn) The method of claim 65, where the step of selecting a panel of biomarkers further comprises at least one polypeptide from SEQ ID NOs 28-36.
- 67. (Withdrawn) The method of claim 65, where the step of selecting a panel of biomarkers further comprises: at least one polypeptide from SEQ ID NOs 28-36; and gat least one polypeptide from SEQ ID NOs 37-44.
- 68. (Withdrawn) The method of claim 65, where the polypeptide levels for the sample are compared to a control.
- 69. (Withdrawn) The method of claim 68, where the comparison is used in the management of patient care in colorectal cancer and colorectal polyps.
- 70. (Withdrawn) The method of claim 69, where the management of patient care includes one or more of risk assessment, early diagnosis, establishing prognosis, monitoring patient treatment, and detecting relapse.
- 71. (Withdrawn) The method of claim 68, where the comparison is used in discovery of therapeutic intervention of colorectal cancer and colorectal polyps.
- 72. (Withdrawn) The method of claim 65, where the step of obtaining a biological sample is by obtaining a sample of colorectal cells.

- 73. (Withdrawn) The method of claim 72, where the step of obtaining a sample of colorectal cells is minimally invasive.
- 74. (Withdrawn) The method of claim 73, where the minimally invasive step is by use of a swab.
- 75. (Withdrawn) The method of claim 72, where the step of obtaining a sample of colorectal cells is non-invasive.
- 76. (Withdrawn) The method of claim 75, where the non-invasive step is by collection of a stool sample.
- 77. (Withdrawn) The method of claim 65, where the step of quantifying the bound polypeptides further comprises labeling the polypeptides.
- 78. (Withdrawn) The method of claim 77, where labeling the polypeptides comprises using a second antibody.
- 79. (Currently Amended) A kit for the determination of colorectal cancer and colorectal polyps comprising: at least one reagent that is used in analysis of polynucleotide expression levels for a panel of biomarkers for colorectal cancer and colorectal polyps, where the panel comprises at least two polynucleotides listed in SEQ ID NOs Nos:1, 2 and 5; and instructions for using the kit for analyzing the expression levels.
- 80. (Withdrawn) The kit of claim 79, where the panel of biomarkers further comprises at least one polynucleotides listed in SEQ ID NOs 6-14.
- 81. (Currently Amended) The kit of claim 79, where the panel of biomarkers further comprises: at least one polynucleotide from SEQ ID NOs 6-14; and at least one polynucleotide from SEQ ID NOs 15-22 Nos: 15 and 16.

- 82. (Original) The kit of claim 79, where the polynucleotide expression levels are mRNAs.
- 83. (Original) The kit of claim 79, where the polynucleotide expression levels are cDNAs.
- 84. (Currently Amended) The kit of claim 83 81, where the reagent comprises at least two sets of primers chosen from SEQ. ID NOs 45 88 (i) SEQ ID NO:45 and 46, (ii) SEQ ID NO:47 and 48, (iii) SEQ ID NO:53 and 54, (iv) SEQ ID NO:73 and 74 and (v) SEQ ID NO:75 and 76.
- 85. (Original) The kit of claim 84, further comprising reagents for the preparation of cDNA.
- 86. (Original) The kit of claim 79, comprising a reagent that is used for detection and quantitation of polynucleotides.
- 87. (Original) The kit of claim 86, where the reagent includes at least one chromophore.
- 88. (Original) The kit of claim 79, further comprising consumable labware for at least one of sample collection, sample preparation, and sample analysis.
- 89. (Withdrawn) A kit for the determination of colorectal cancer and colorectal polyps comprising: at least one reagent used in that analysis of polypeptide expression levels for a panel of biomarkers for colorectal cancer and colorectal polyps, where the panel comprises at least two polypeptides listed in SEQ. ID NOs 23-27; and instructions for using the kit for analyzing the expression levels.
- 90. (Withdrawn) The kit of claim 89, where the panel of biomarkers further comprises at least one polynucleotides listed in SEQ ID NOs 28-36.

- 91. (Withdrawn) The kit of claim 89, where the panel of biomarkers further comprises: at least one polynucleotide selected from SEQ ID NOs 28-36; and at least one polynucleotide selected from SEQ ID NOs 37-44.
- 92. (Withdrawn) The kit of claim 89, where the reagent is an antibody reagent that binds a polypeptide selected in the panel.
- 93. (Withdrawn) The kit of claim 89, further comprising a reagent that is used for detection and quantitation of a bound polypeptide.
- 94-95. (Canceled)
- 96. (New) The method of claim 57, wherein the at least one cDNA comprises SEQ ID NO:1.
- 97. (New) The method of claim 57, wherein the at least one cDNA comprises SEQ ID NO:2.